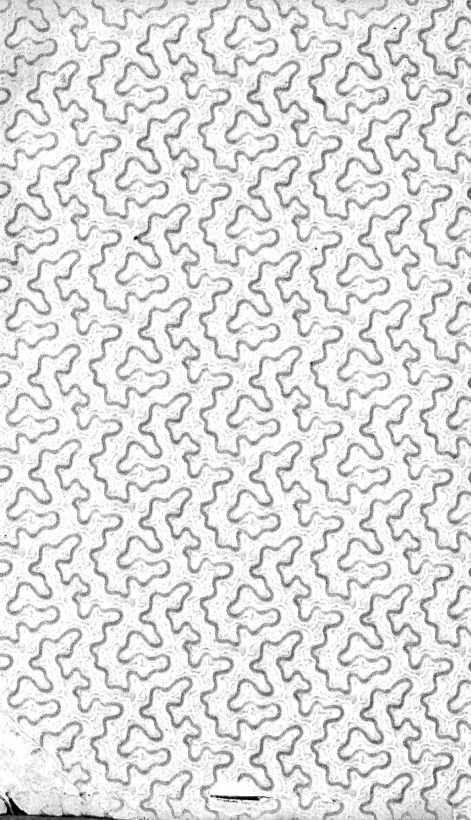
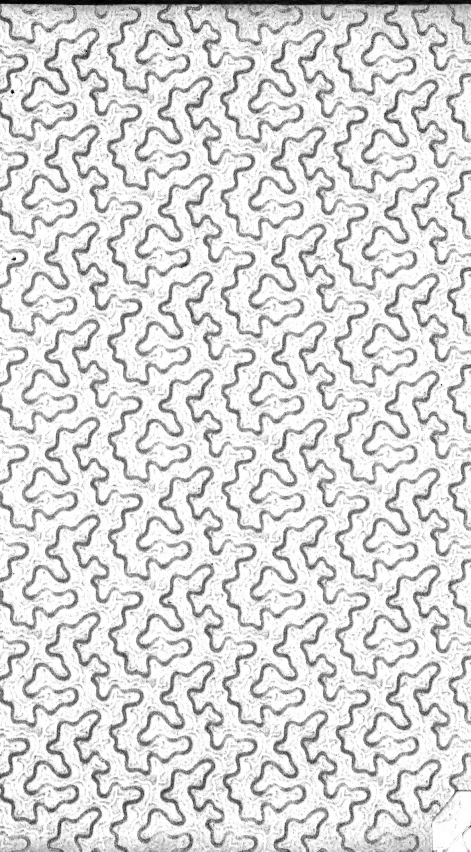
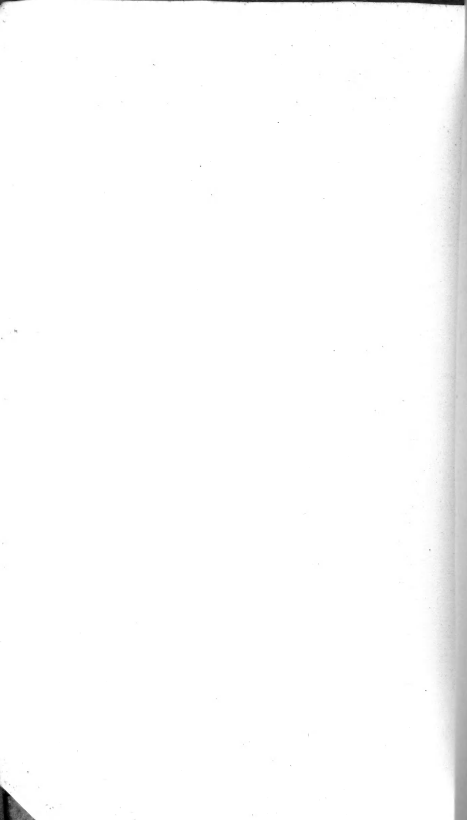


Nerwader, p. 100.
Three Kings.











Kermadec Islands
Aug. 1887

Three Kings Islands
Aug 1887

Kermadec plants numbered
Three Kings marked K.

CLEMATIS—

indivisa
hexasepala
foetida
parviflora —
Colensoi
afoliata

MYOSURUS—

aristatus

RANUNCULUS—

Lyallii
Traversii
insignis
pinguis
Godleyanus
aucklandicus
nivicola
geraniifolius
Enysii
Buchanani
Haastii
chordorhizos
crithmifolius
sericophyllus
Sinclairii
depressus
plebeius
ternatifolius
lappaceus
subscaposus
macropus
rivularis
acaulis
limosella
gracilipes
pachyrhizus
parviflorus

CALTHA—

Novæ-Zelandiæ

DRIMYS—

axillaris
colorata

NASTURTIIUM—

palustre

BARBAREA—

vulgaris

CARDAMINE—

hirsuta —
depressa
stylosa
fastigiata

SISYMBRIUM—

Novæ-Zelandiæ

PACHYCLADON—

Novæ-Zelandiæ

LEPIDIUM—
oleraceum
sisymbrioides
incisum

NOTOTHLASPI—
rosulatum
australe

VIOLA—
filicaulis
Lyallii
Cunninghamii

MELICYTUS—
X ramiflorus — K
macrophyllus
X lanceolatus X
micranthus

HYMENANTHERA—
crassifolia
latifolia — K

PITTOSPORUM—
tenuifolium
Colensoi
fasciculatum
Buchanani
Huttonianum
rigidum
obcordatum
pimeleoides
reflexum
umbellatum
virgatum
patulum
Ralphii
X crassifolium
intermedium
ellipticum
eugenioides
cornifolium
Kirki

GYPSOPHILA—
tubulosa

STELLARIA—
parviflora
elatinoides
decipiens
Roughii
gracilentia

COLOBANTHUS—
quitensis
Billardieri
subulatus
acicularis
muscoides

SPERGULARIA—
rubra — K

P. Fancher K

CLAYTONIA—
 australasica
 MONTIA—
 fontana
 HECTORELLA—
 cæspitosa
 ELATINE—
 americana
 Hypericum—
 gramineum
 japonicum
 PLAGIANTHUS—
 divaricatus
 betulinus
 Lyalii
 HOHERIA—
 populnea
 Sinclairii
 HIBISCUS—
 diversifolius
 trionum
 ENTELEA—
 arborescens
 ARISTOTELIA—
 racemosa
 colensoi
 erecta
 fruticosa
 ELÆOCARPUS—
 dentatus
 Hookerianus
 LINUM—
 monogynum
 GERANIUM—
 dissectum
 Traversii
 microphyllum
 sessiliflorum
 X molle
 PELARGONIUM—
 australe
 OXALIS—
 X corniculata
 magellanica
 PHEBALIUM—
 nudum
 MELICOPE—
 X ternata
 mantellii
 simplex
 DYSOXYLUM—
 spectabile
 PENNANTIA—
 X corymbosa

K

+8

N

7

x Leguminosae - 15

- STACKHOUSIA—
 minima
 POMADERRIS—
 elliptica
 Tainui
 Edgerleyi
 phyllicifolia
 DISCARIA—
 toumatou
 DODONÆA—
 viscosa
 ALECTRYON—
 excelsum
 CORYNOCARPUS—
 x lævigata
 CORIARIA—
 x ruscifolia
 thymifolia
 angustissima
 CARMICHAELIA—
 crassicaulis
 Munroi
 nana
 Williamsii
 grandiflora
 pilosa
 australis
 odorata
 flagelliformis
 juncea
 NOTOSPARTIUM—
 Carmichaeliae
 CLIANTHUS—
 puniceus
 SWAINSONIA—
 novæ-zealandiæ
 SOPHORA—
 tetraptera
 RUBUS—
 australis
 GEUM—
 urbanum
 parviflorum
 uniflorum
 POTENTILLA—
 anserina
 ACÆNA—
 sanguisorbæ
 novæ-zealandiæ
 glabra
 adscendens
 microphylla
 Buchanani
 inermis

K

4
4

DONATIA—
novæ-zealandiæ

QUINTINIA—
serrata
elliptica

IXERBA—
brexioides

CARPODETUS—
serratus

ACKAMA—
rosæfolia

WEINMANNIA—
sylvicola
racemosa

TILLÆA—
moschata
Sinclairii
verticillata
debilis
purpurata

DROSERA—
stenopetala
Arcturi
pygmæa
spathulata
binata
auriculata

HALORAGIS—

× alata — K
tetragyna
depressa
aggregata
uniflora
micrantha

MYRIOPHYLLUM—
elatinoides
variæfolium
robustum
pedunculatum

GUNNERA—
monoica
densiflora
prorepens

CALLITRICHE—
× verna

LEPTOSPERMUM—
scoparium — K
ericoides — K

METROSIDEROS—
florida
lucida
albiflora
diffusa
hypericifolia

→ 7

Colensoi		
robusta		
tomentosa		K
✕ polymorpha ●		
scandens		K
MYRTUS—		
bullata		
Ralphii		
obcordata		
pedunculata		
EUGENIA—		
maire		
FUCHSIA—		
excorticata		
Colensoi		
procumbens		
Kirki		
EPILOBIUM—		
nummularifolium		
purpuratum		
linnæoides		
macropus		
confertifolium		
crassum		
brevipes		
alsinoides		
microphyllum		
rotundifolium		
glabellum		
melanocaulon		
tetragonum		
junceum		
pubens		
Billardierianum		
pallidiflorum		
PASSIFLORA—		
tetrandra		
SICYOS—		
✕ angulatus ●		K
MESEMBRYANTHEMUM—		
✕ australe		K
equilaterale		
TETRAGONIA—		
✕ expansa		
✕ trigyna		
HYDROCOTYLE—		
elongata		
americana		
asiatica		
muscosa		
dissecta		
heteromera		K
pterocarpa		
novæ-zelandiæ		K
✕ moschata ?		
microphylla		

14

3

10

AZORELLA—
exigua
Haastii
reniformis
trifoliolata
pallida
hydrocotyloides
Roughii

ERYNGIUM—
vesiculosum

APIUM—
X australe
filiforme

OREOMYRRHIS—
Colensoi
Haastii
ramosa

CRANTZIA—
lineata

ACTINOTUS—
novæ-zealandiæ

LIGUSTICUM—
latifolium
intermedium
antipodum
Lyallii
Haastii
Dieffenbachii
brevistyle
filifolium
carnosulum
piliferum
aromaticum
Enysii
imbricatum
trifoliolatum

ACIPHYLLA—
Colensoi
squarrosa
Lyallii
Monroi
Traversii
Dobsoni

ANGELICA—
gingidium
decipiens
rosæfolia
geniculata

DAUCUS—
brachiatus

STILBOCARPA—
polaris

K

K

PANAX

simplex
Edgerleyi
anomalum
lineare
crassifolium

ferox
Lessonii
discolor
Colensoi
X arboreum
Sinclairii

SCHEFFLERA—
digitata—

MERYTA—
Sinclairii

COROKIA—
buddleoides
cotoneaster

GRISELINIA—
lucida
littoralis

ALSEUOSMIA—
macrophylla
quercifolia
Banksii
linariifolia

COPROSMA—
lucida
grandifolia
X Baueriana
X petiolata
robusta
Cunninghamii

X acutifolia
spathulata
arborea
serrulata
rotundifolia
ciliata
tenuicaulis
rhamnoides
virescens
divaricata
parviflora
propinqua
foetidissima
Colensoi
cuneata
acerosa
depressa
microcarpa
linariifolia
repens
pumila

→ 6

→ 20

→ 29

9th Nov 1958

K

NERTERA—

depressa
Cunninghamii
dichondraefolia
setulosa

GALIUM—

teniucaule
umbrosum

ASPERULA—

perpusilla

LAGENOPHORA—

✕Forsteri
petiolata
lanata
pinnatifida
emphysopus

BRACHYCOME—

Sinclairii
odorata
pinnata

OLEARIA—

operina
angustifolia
semidentata
Colensoi
Lyalii
insignis
furfuracea
nitida
dentata
Traversii
ilicifolia
Cunninghamii
lacunosa
excorticata
Haastii
Allomii
moschata
nummularifolia
cymbifolia
Forsteri
avicenniaefolia
oleifolia
albida
virgata
Hectori
Solandri

PLEUROPHYLLUM—

speciosum
criniferum

CELMISIA—

holosericea
densiflora
discolor
hieracifolia

κ

3

Haastii
 incana
 Lindsayi
 Sinclairii
 verbascifolia
 coriacea
 Mackau
 Munroi
 Lyallii
 viscosa
 petiolata
 spectabilis
 Traversii
 cordatifolia
 longifolia
 laricifolia
 lateralis
 Hectori
 sessiliflora
 ramulosa
 Walkeri
 bellidioides
 glandulosa
 vernicosa

VITTADINIA—
australis

HAASTIA—
pulvinaris
Sinclairii
recurva

GNAPHALIUM—
Lyallii
trinerve
Keriense
Traversii
nitidulum

X luteo-album
 X involucratum
 collinum

RAOULIA—
 australis
 apice-nigra
 tenuicaulis
 Haastii
 Munroi
 subulata
 eximia
 Hectori
 Petriensis
 glabra
 subsericea
 grandiflora
 mamillaris
 bryoides

K
 K

HELICHRYSUM—

prostratum
bellidioides
fasciculatum
Youngii
Sinclairii
filicaule
leontopodium
grandiceps
glomeratum
lanceolatum
microphyllum
depressum
coralloides
Selago

CASSINIA—

retorta
leptophylla
fulvida
Vauvilliersii

CRASPEDIA—

fimbriata
alpina

BIDENS—

X pilosa

COTULA—

coronopifolia
X australis
atrata
plumosa
lanata
minor
filiformis
pectinata
pyrethrifolia
perpusilla
dioica
squalida
Featherstonii

CENTIPEDA—

minuta

ABROTANELLA—

spathulata
rosulata
pusilla
linearis
inconspicua

ERECHTHITES—

prenanthoides
arguta
scaberula
glabrescens
quadridentata

→ 5

BRACHYLOTTIS—

repanda

SENECIO—

Lagopus

bellidioides

saxifragoides

Haastii

latifolius

lautus

Colensoi

odoratus

Lyallii

bifistulosus

glastifolius

sciadophilus

myrianthos

Hectori

perdicoides

Huntii

Greyii

laxiflorus

elæagnifolius

rotundifolius

Bidwillii

robusta

Munroi

compactus

cassinoides

Traversii

MICROSERIS—

Forsteri

PICRIS—

hieracioides

CREPIS—

novæ-zealandiæ

TARAXACUM—

dens-leonis

SONCHUS—

× oleraceus

OREOSTYLIDIUM—

subulatum

FORSTERA—

sedifolia

Bidwillii

tenella

PHYLLACHNE—

clavigerum

Colensoi

Haastii

rubrum

SELLIERA—

radicans

SCÆVOLA—

× gracilis ●

R

R

→ 22

5~

× Superciliosa —

PRATIA—	
angulata	
perpusilla	
macrodon	
linnaeoides	
COLENSEA—	
physaloides	K
LOBELIA—	
Xanceps	K
Roughii	
WAHLENBERGIA—	
gracilis	K
saxicola	
cartilaginea	
GAULTHERIA—	
antipoda	
rupestris	
fagifolia	
oppositifolia	
PERNETTYA—	
tasmanica	
CYATHODES—	
acerosa	
robusta	
empetrifolia	
Colensoi	
pumila	
PENTACHONDRA—	
pumila	
LEUCOPOGON—	
fasciculatus	
Richei	
Fraseri	K
EPACRIS—	
purpurascens	
pauciflora	
Sinclairii	
alpina	
ARCHERIA—	
Traversii	
racemosa	
DRACOPHYLLUM—	
latifolium	
strictum	
Traversii	
Menziesii	
squarrosus	
recurvum	
longifolium	
Urvilleanum	
subulatum	
uniflorum	
Kirki	
rosmarinifolium	
muscoides	

x. Impersonale etc.

1846

4

SAMOLUS—

x repens

MYRSINE—

salicina

Urvillei

Chathamica

divaricata

montana

nummularia

SIDEROXYLON—

costata

OLEA—

Cunninghamii

apetala

lanceolata

montana

PARSONSIA—

albiflora

rosea

MITRASACME—

novæ-zealandiæ

LOGANIA—

depressa

tetragona

ciliolata

GENIOSTOMA—

ligustrifolium

GENTIANA—

montana

concinna

pleurogynoides

saxosa

cerina

SEBÆA—

ovata

LIPAROPHYLLUM—

Gunnii

MYOSOTIDIUM—

nobile

MYOSOTIS—

uniflora

pulvinaris

Hectori

spathulata

antarctica

australis

Forsteri

capitata

Traversii

albosericea

petiolata

macrantha

Lyallii

saxosa

K?

x *Convolvulus* sp

→ 10

IPOMÆA—

tuberculata

CALYSTEGIA—

sepium

tuguriorum

x *Soldanella*

marginata

CONVOLVULUS—

erubescens

DICHONDRA—

repens

CUCUTA—

densiflora

SOLANUM—

x *aviculare*

x *nigrum*

CALCEOLARIA—

Sinclairii

repens

MIMULUS—

repens

radicans

MAZUS—

pumilio

GRATIOLA—

peruviana

nana

GLOEROSTIGMA—

elatinoides

LIMOSILLA—

aquatica

VERONICA—

speciosa

Dieffenbachii

macroura

x *salicifolia*

macrocarpa

parviflora

ligustrifolia ●

pubescens

Traversii

vernica

elliptica

chathamica

diosmæfolia

Colensoi

lævis

obovata

Armstrongii

buxifolia

carnosula

pinguifolia

pimelcoides

Buchanani

tetragona

K
K

6

46

4

lycopodioides
tetrasticha
Hectori
salicornioides
cupressoides
Haastii
epacridea
macrantha
Hulkeana
Lavaudiana
Raoulii
Benthami
linifolia
nivalis
Lyalii
Bidwillii
cataractæ
elongata
spathulata
anagallis
canescens
ciliolata
pulvinaris

OURISIA—

macrophylla
macrocarpa
Colensoi
sessilifolia
cæspitosa
glandulosa

EUPHRASIA—

cuneata
Munroi
revoluta
antarctica
repens
disperma

RHABDOTHAMNUS—

Solandri

MYOPORUM—

× lætum

VITEX—

littoralis

TEUCRIDIMUM—

parvifolium

AVICENNIA—

officinalis

UTRICULARIA—

protrusa
novæ-zealandiæ
monanthos
Colensoi

MENTHA—

Cunninghamii

~~X Rhagodia nutans~~ →

SCUTELLARIA—
novæ-zealandiæ

PLANTAGO—
triandra
uniflora
Brownii
lanigera
spathulata
Raoulii
aucklandica

PISONIA—
Brunoniana - K

SCLERANTHUS—
biflorus

ALTERNANTHERA—
sessilis

CHENOPODIUM—
triandrum
urbicum
glaucum
ambrosioides
carinatum
pusillum
detestans

ATRIPLEX—
cinerea
patula
Billardieri

SUAEDA—
maritima

SALSOLA—
australis

ARTHROCNEMUM—
australis

POLYGONUM—
minus
aviculare

RUMEX—
X flexuosus
neglectus

MUEHLENBECKIA—
adpressa
complexa K
axillaris
ephedrioides

PIPER—
X excelsum ? K → 17

PEPEROMIA—
X Urvilleana • K 4

ASCARINA—
X lucida •

HEDYCYARIA—
dentata K

LAURELIA—
novæ-zealandiæ

X Rhagodia nutans 8

X *hottelii*

10

BEILSCHMEIDIA—

Tairairi

Tawa

LITSÆA—

calicaris

CASSYTHA—

paniculata

PERSOONIA—

Toro

KNIGHTIA—

excelsa

PIMELEA—

longifolia

gnidia

Traversii

virgata

buxifolia

arenaria

Urvilleana

prostrata

Lyallii

Haastii

sericeo-villosa

DRAPETES—

Dieffenbachii

Lyallii

villosa

LORANTHUS—

Colensoi

Adamsii

tetrapetalus

decussatus

tenuiflorus

flavidus

micranthus

VISCUM—

Lindsayi

salicornioides

PUPEIA—

antarctica

FUSANUS—

Cunninghamii

EXOCARPUS—

Bidwillii

DACTYLANTHUS—

Taylori

EUPHORBIA—

glauc

PORANTHERA—

microphylla

HOMALANTHUS—

X polyandrus

PARATROPHIS—

microphyllus

Gmiller

→ 26

K

URTICA—
 incisa
 australis
 ferox
 aucklandica
 ELATOSTEMMA—
 rugosum
 PARIETARIA—
 X debilis
 AUSTRALINA—
 pusilla
 FAGUS—
 Menziesii
 fusca
 Solandri
 Cliffortioides
 LIBOCEDRUS—
 Doniana
 Bidwillii
 PHYLLOCLADUS—
 glauca
 trichomanoides
 alpina
 DACRYDIUM—
 cupressinum
 intermedium
 Westlandicum
 laxifolium
 Bidwillii
 Colensoi
 Kirkii
 PODOCARPUS—
 ferruginea
 nivalis
 Totara
 spicata
 dacrydioides
 AGATHIS—
 australis
 EARINA—
 mucronata
 autumnalis
 DENDROBIUM—
 Cunninghamii
 BOLBOPHYLLUM—
 pygmæum
 SARCOCHILUS—
 adversus
 GASTRODIA—
 Cunninghamii
 ACIANTHUS—
 X Sinclairii ● —K
 CYRTOSTYLIS—
 oblonga
 rotundifolia

K → 6

ADENOCHILUS—
gracilis

CORYSANTHES—
triloba
oblonga
rotundifolia
rivularis
macrantha
Cheesemanii

MICROTIS—
✱ porrifolia ? — K

CALADENIA—
minor
Lyalii

CHILOGLOTTIS—
cornuta
Traversii

PTEROSTYLIS—
Banksii
graminea
micromega
foliata
trullifolia
puberula
squamata

LYPERANTHUS—
antarcticus

THELYMITRA—
longifolia — K
pulchella
uniflora
Colensoi
imberbis
intermedia

SPIRANTHES—
australis

PRASOPHYLLUM—
Colensoi
nudum
pumilum

ORTHO CERAS—
Solandri

LIBERTIA—
ixioides
grandiflora
micrantha

HYPOXIS—
pusilla

FREYCINETIA—
Banksii

TYPHA—
✱ angustifolia

SPARGANIUM—
simplex

12

3

✱ Dracena

4 + 4

LEMNA—
 minor
 gibba
 TRIGLOCHIN—
 triandrum
 POTAMOGETON—
 natans *Chrysanthemum*
 polygonifolius
 ochreateus
 pectinatus
 RUPPIA—
 maritima
 ZANNICHELLIA—
 palustris
 ZOSTERA—
 marina
 nana
 RHIPOGONUM—
 scandens
 CALLIXENE—
 parviflora
 CORDYLINE—
 australis
 Banksii
 indivisa
 pumilio
 Hookeriana
 DIANELLA—
 intermedia
 ASTELIA—
 Cunninghamii
 linearis
 nervosa
 Solandri
 Banksii
 grandis
 trinervia
 ARTHROPODIUM—
 cirrhatum
 candidum
 ANTHERICUM—
 Rossii
 Hookeri
 PHORMIUM—
 tenax
 Colensoi
 HERPOLIRION—
 novæ-zealandiæ
 IPHIGENIA—
 novæ-zealandiæ
 ARECA—
 X sapida
 JUNCUS—
 vaginatus
 australis

maritimus
 communis
 glaucus
 planifolius
 bufonius
 antarcticus
 holoschænus
 amprocarpus
 involucratus
 sp
 scheuzerioides
 novæ-zealandiæ
 capillaceus
 tenuis
ROSTKOVIA—
 magellanica
 gracilis
LUZULA—
 campestris
 Oldfieldii
 crinita
 pumila
 Colensoi
LEPTOCARPUS—
 simplex
HYPOLÆNA—
 lateriflora
GAIMARDIA—
 setacea
 ciliata
 pallidum
SPORADANTHUS—
 Traversii
CYPERUS—
 × ustulatus
 tenellus
 Buchanani
KYLLINGA—
 monocephala
HELEOCHARIS—
 sphacelata
 acuta
 multicaulis
FIMBRISTYLIS—
 velata
SCIRPUS—
 basilaris
 fluitans
 riparius
 cartilagineus
 aucklandica
 inundatus
 × nodosus
 pungens
 lacustris

2

→ 3

maritimus
 subcucullata
 globosa
DESMOSCHÆNUS—
 spiralis
SCHÆNUS—
 axillaris
 vacillans
 tenax
 tendo
 tenuis
 paniciflorus
 Brownii
 concinnus
 nitens
CARPHA—
 alpina
LEPIDOSPERMA—
 australe
 concava
CLADIUM—
 articulatum
 glomeratum
 teretifolium — K
 Huttonii
 Gunnii
 junceum
 Sinclairii
GAHNIA—
 setifolia
 procera
 rigida
 Hectori
 lacera
 ebenocarpa
 arenaria
UNCINIA—
 leptostachya
 Sinclairii
 compacta
 australis — K
 ferruginea
 cæspitosa
 rupestris
 filiformis
 Banksii
 rubra
CAREX—
 pyrenaica
 acicularis
 inversa
 Colensoi
 echinata
 teretiuscula
 chlorantha

paniculata K
 vulgaris
 subdola
 flava
 ternaria — K
 testacea —
 comans
 pulchella
 Raoulii
 Buchanani
 cirrhosa
 lucida
 dipsacea —
 pumila
 Forsteri
 breviculmis K
 trifida
 Neesiana
 dissita
 Lambertiana
 vacillans
 EHRHARTA—
 Thomsoni
 Colensoi
 MICROLÆNA—
 stipoides
 avenacea
 polynoda
 ALOPECURUS—
 geniculatus
 HIEROCHLOE—
 redolens
 alpina
 Brunonis
 SPINIFEX—
 hirsutus
 PASPALUM—
 X scrobiculatum — 6
 distichum
 OPLISMENUS—
 setaceus — K
 ISACHNE—
 australis
 ZOYSIA—
 pungens
 ECHINOPOGON—
 ovatus — K
 STIPA—
 micrantha
 teretifolia
 Petriei
 DICHELACHNE—
 crinita
 sciurea

X *Ophi meaus*

X ——— ?
X *Panicum* ———

→ 12

14

APERA—

arundinacea

SPOROBOLUS—

indicus

AGROSTIS—

antarctica

canina

subulata

Muelleri

scabra

DEYEUXIA—

Forsteri

pilosa

Billardieri

setifolia

avenoides

Youngii

quadrisseta

scabra

ARUNDO—

conspicua

fulvida

DANTHONIA—

Cunninghamii

ovata

bromoides

Raoulii

australis

flavescens

pilosa

semi-annularis

Buchanani

nuda

pauciflora

DESCHAMPSIA—

caespitosa

KALERIA—

cristata

TRisetum—

antarcticum

subspicatum

Youngii

GLYCERIA—

stricta

CATABROSA—

antarctica

ERAGROSTIS—

imbecilla

breviglumis

POA—

ramosissima

foliosa

anceps

australis

K

intermedia
 Colensoi
 acicularifolia
 uniflora
 pygmæa
 exigua
 sclerophylla
 Mackayi
 Kirki
 Lindsayi
SCHEDONORUS—
 littoralis
 scoparia
FESTUCA—
 duriuscula
BROMUS—
 arenarius
TRITICUM—
 multiflorum
 scabrum
 Youngii
GYMNOSTICHUM—
 gracile
GLEICHENIA—
 circinata
 dicarpa
 flabellata
 Cunninghamii
 dichotoma
CYATHEA—
 medullaris
 Cunninghamii
 dealbata
 X Milnei ● ———
HEMITELIA—
 Smithii
ALSOPHILA—
 Colensoi
DICKSONIA—
 squarrosa
 fibrosa
 lanata
HYMENOPHYLLUM—
 rarum
 polyanthos
 villosum
 javanicum
 + demissum ●
 flabellatum
 montanum
 scabrum
 dilatatum
 pulcherrimum
 ciliatum

K

5-

subtillissimum		
rufescens		
Malingii		
Cheesemanii		
Armstrongii		
Tunbridgense		
unilaterale		
multifidum		
bivalve		
TRICHOMANES—		
reniforme		
Lyallii		
humile		
X venosum		
Colensoi		
rigidum		
strictum		
LOXSOMA—		
Cunninghamii		
DAVALLIA—		
novæ-zealandiæ		
Forsteri		
CYSTOPTERIS—		
fragilis		
LINDSAYA—		
linearis		
trichomanoides		
viridis		
ADIANTUM—		
X diaphanum		
X affine	K	376
formosum		
fulvum		
æthiopicum		
X hispidulum	K	2+5
HYPOLEPIS—		8
X tenuifolia		
millefolium		
distans		
CHEILANTHES—		
Sieberi		
tenuifolia	c	
PELLÆA—		
rotundifolia		
X falcata	•	6
PTERIS—		6
X tremula	K	
X aquilina	K	
scaberula		
macilenta		
X comans	•	3+7
incisa		
LOMARIA—		
Patersoni		

+ hephrolepis 9

x *Haplocladon* sp
 x *Nephrodium* sp $\frac{1}{8} + 10$

discolor		
x acuminata	K	3
vulcanica		
x lanceolata		74
dura		
alpina		
Banksii		
pumila		
x procera	K	
filiformis		
nigra		
fluviatilis		
membranacea		
Fraseri		
DOODIA—		
x media	K	7
caudata		
ASPLENIUM—		
flabellifolium		
trichomanes		
x obtusatum	K	2+3
x falcatum		
x caudatum		710
Hookerianum		
bulbiferum		
Colensoi		
Richardi		
x flaccidum	K	74 + 6 + 6
umbrosum		
ASPIDIUM—		
aculeatum	K	
Richardi		
oculatum		
cystostegia		
capense		
x aristatum		6
NEPHRODIUM—		
thelypteris		
x decompositum		
glabellum		
velutinum		
hispidum		
unitum		
x molle		3
NEPHROLEPIS—		
cordifolia		
POLYPODIUM—		
punctatum		
pennigerum		
australe		
grammitidis		
tenellum		
x serpens	K	6
Cunninghamii		

Cerastium Virginicum K

pustulatum		
X Billardieri	●	K 1+2
novæ-zealandiæ		
NOTHOCHLÆNA—		
distans		
GYMNOGRAMME—		
Pozoi		
leptophylla		
TODEA—		
barbara		
hymenophylloides		
superba		
SCHIZÆA—		
australis		
fistulosa		
bifida		
dichotoma		
LYGODIUM—		
articulatum		
MARATTIA—		
fraxinea		
OPHIOGLOSSUM—		3
X lusitanicum		
vulgatum		
BOTRYCHIUM—		
ternatum		
PHYLLOGLOSSUM—		
Drummondii		
LYCOPODIUM—		
Selago		
varium		
Billardieri		
densum		
laterale		
ramulosum		3
X cernuum		
carolinianum		
clavatum		
scariosum		
volubile		
MESIPTERIS—		
X Forsteri		
PSILOTUM—		
X triquetrum		12+10
ISOETES—		
Kirki		
alpinus		
PILULARIA—		
novæ-zealandiæ		
AZOLLA—		
rubra		

Birds at Shunkys

Hawk

Owl

Parakeet

Scout

Wick

Quail

Warbler

White Eye

Red Bird

Jay

Kingfisher

Highest peak of landay Island 1650 above sea level by
aneroid measurement. Vegetation on top principally
composed of *Metrosideros polymorpha*, *Panax*,
probably a var. of *P. arboreum*, *Melicope ramiflora*,
Coprosma acutifolia, *Ascarina* - which looks a little
different to our *A. lucida*, *Cyathra Muhlneri*, *Becca*
~~capitata~~ - most likely different to our *B. capitata*. *Lomaria*
procera, *Polypodium Kuhnianum*, *Hymenophyllum*
hemispermum, *Aspidium Aristatum*, *Pipturus* - most
likely *P. alpinus*, *Polypodium* -
serpens. ^{*Asplenium flaccidum*} On the ridges leading to the top. *Melicope*
polymorpha some immense masses - the stems are
erect, and a number of erect ones grow out of the
erect portion, all plentifully supplied with aerial
roots, so that huge masses many feet in diameter
are produced. The palm - *Areca* sp. - grows fully
50 ft in height, and is in enormous abundance.
The Fan tree is also much in abundance, and
specimens 60 ft in height were seen. -
The principal feature of the vegetation on the ridge
leading to the top is the abundance of Palms & Fan
trees, and the vast number of the various *polymorpha*.

Coprosma acutifolia - about 15 ft. bark very
pale greyish white. —

Its cultivations invaded by *Physalis*, *Sonchus*,
Grapholium evolutum. *Cotula australis*
Inula *Solanum nigrum* *Cypripedium*
- of which the commonest are *Physalis*, *Cotula*
australis. also seen *Euphorbia peplus*. *Ageratum*
Alyssum *Senecio* *crispus* *Poa annua*
Pumila *Stellaria media* *Cerastium vulgatum*
Mercurialis *Veronica peregrina*

Cucurbitaria grows 20-30 ft high slender, with
few slender branches, bark pale.

Bananas growing 15-20 ft high in gully above
terrace - stems thick as a man's waist.
little fruit at this time of year. Curious effect
produced by underground of *Pteris comans*. In
darker sheltered places good bananas might
be raised for Auckland market.

Jaro at least 6 ft high

Pi (*Bracarea*) 12 ft high. Flowers like

Naturalized Plants

- Physalis peruviana* Very common, & a nuisance
Ageratum conyzoides
Poa annua
Senecio coronopus
Poa pratensis
Lactuca glomerata
Euphorbia peflus
Stellaria media
Nicotiana glauca
Euphorbia corollata
Alyssum maritimum
Cerastium vulgatum
Veronica persica
Humulus lupulus
Plantago major
 " " "
Lupinus albus
 " " "
Lilium pinnatifidum
Thlaspi brassicastrum
Opium popponense
Lactuca scariola

Birds

Lui

Parroquet

Lawn

Kangfisher

Little black bird ? - }

Pigeon - now extinct } not seen

Chicken have

Koheperua

Pipiwai

Widow

Albatross breeds on small islet outside

Keper Island

Gannet

Lake 40 ft above sea level - only separated
from sea by narrow ridge - at head of
large lake. Small lake about 30 ft higher,
connected by dry water course - water from
this said to be mineral, but tasted as
at the time of our visit - margins & hills
also above thickly covered with volcanic
ash & gravel, and yet clothed with
vegetation. Steam vents said to form
ascent at the end of lake.

The ridge of hills bounding all the lakes
and which makes a complete circle
evidently represents the crater wall of
a huge crater more than $1\frac{1}{4}$ mile in
diameter.

On reaching S.W. side of small lake, found
one cave and some smaller cracks
out of which hot air was escaping.

Pl. Cat. *Lycopodium complanatum*, *Ophiopogon*

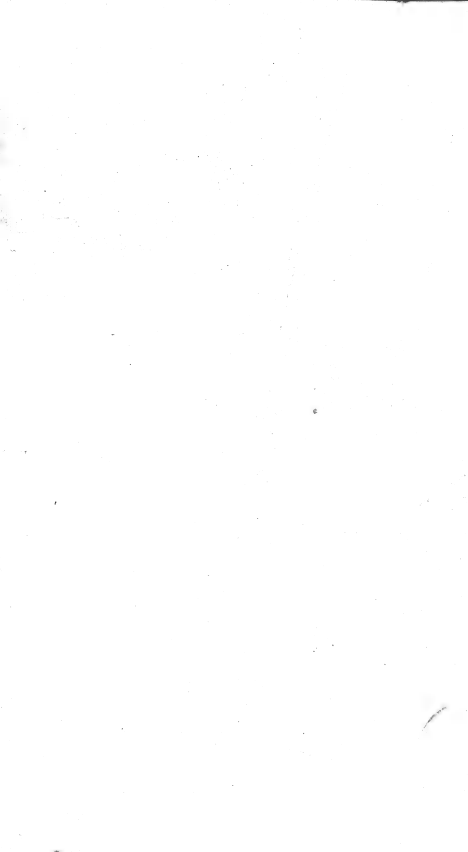
Wednesday, 5th April 1881. fearful earthquake

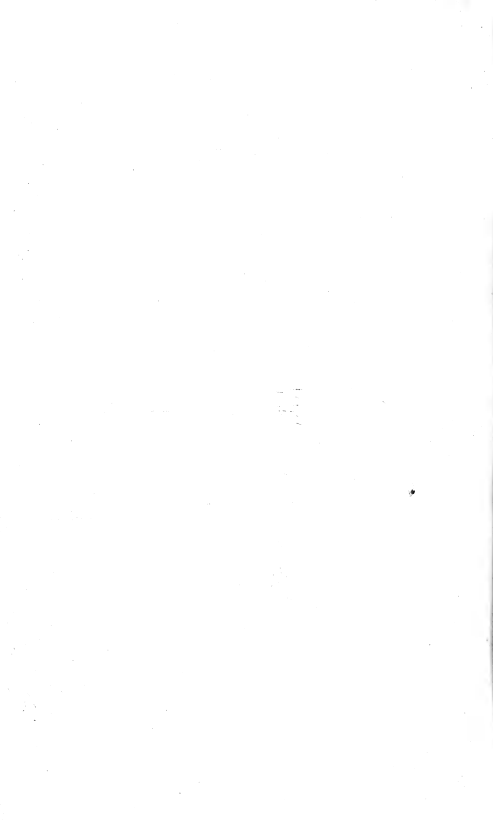
Plantago erecta. *Trifolium repens* *Lolium*
perenne

Candle nut 2 ft 6 diam. - 60-70 ft high

Shepherd's Bush. City of London

21. 2000



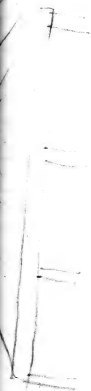


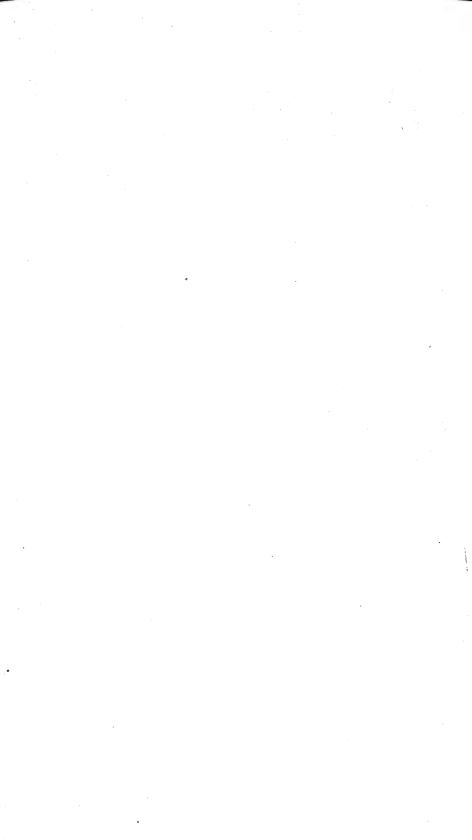


14
101
16
5.1



1. | 2 Concrete Ponds for fry.
 2. | 1 Shelter for fry ponds
 3. | Construction of ponds below
wash house
 4. | Timber pond on 2nd creek
about 300 ft.
-







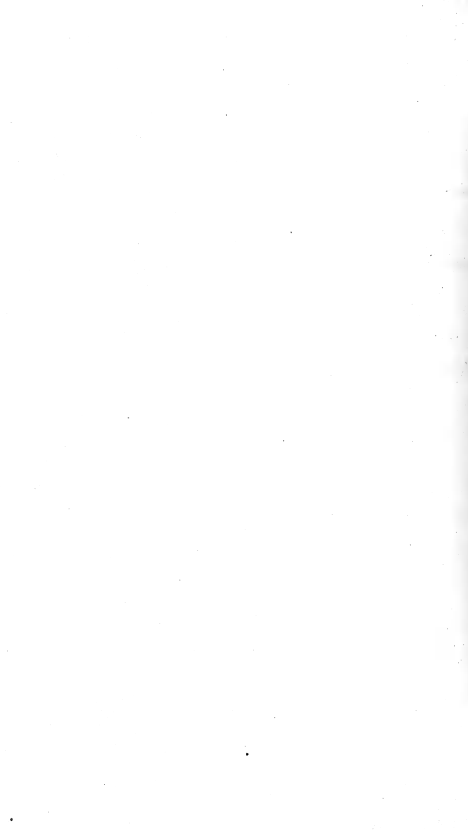








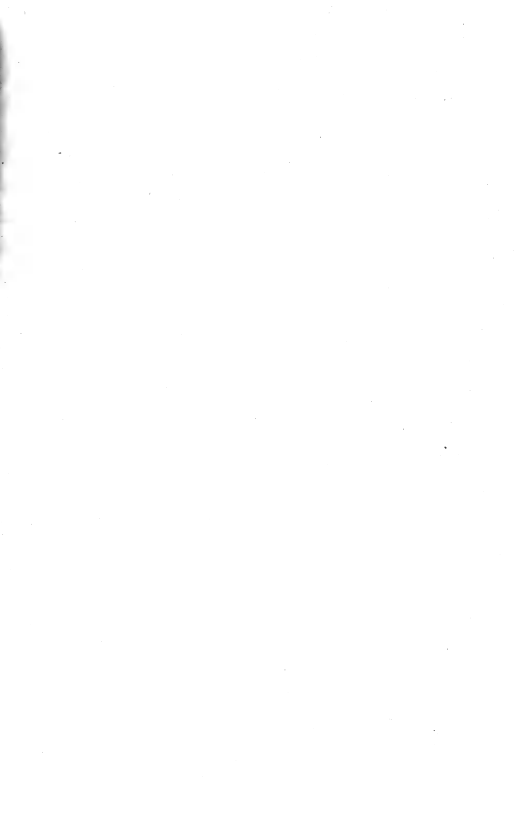




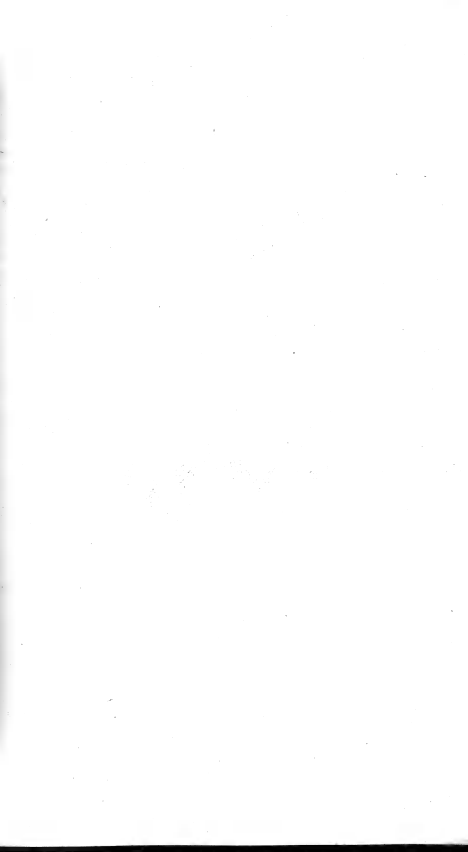






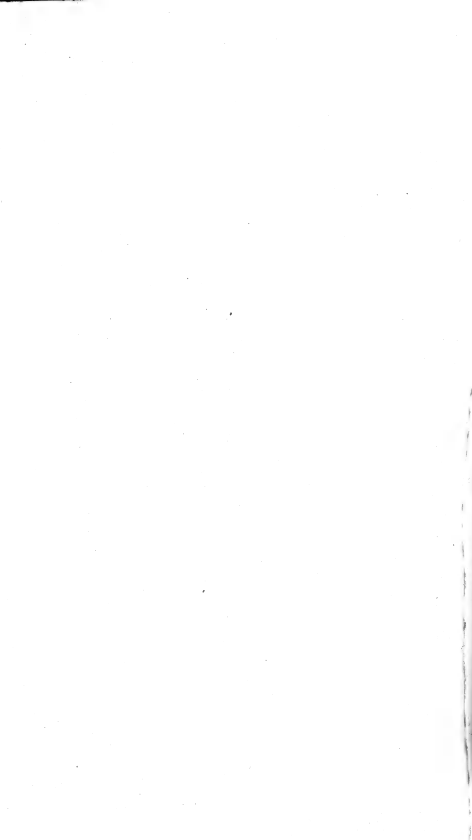








Statute.









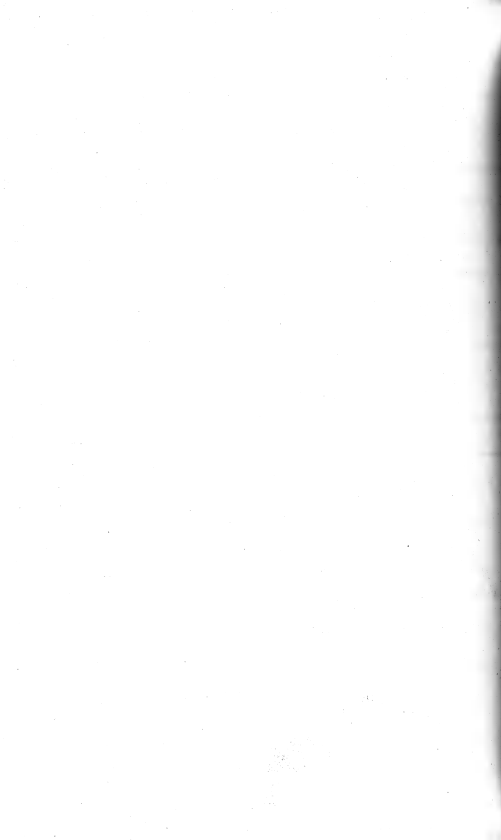
The regular session of the State Assembly

commenced





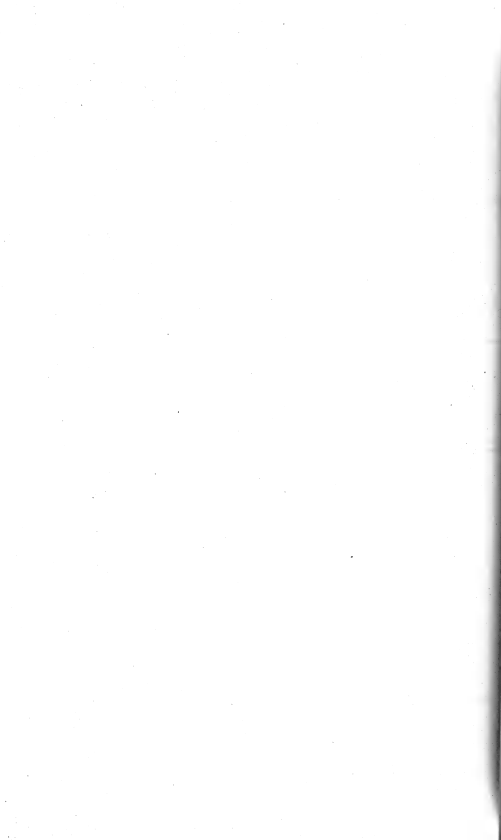




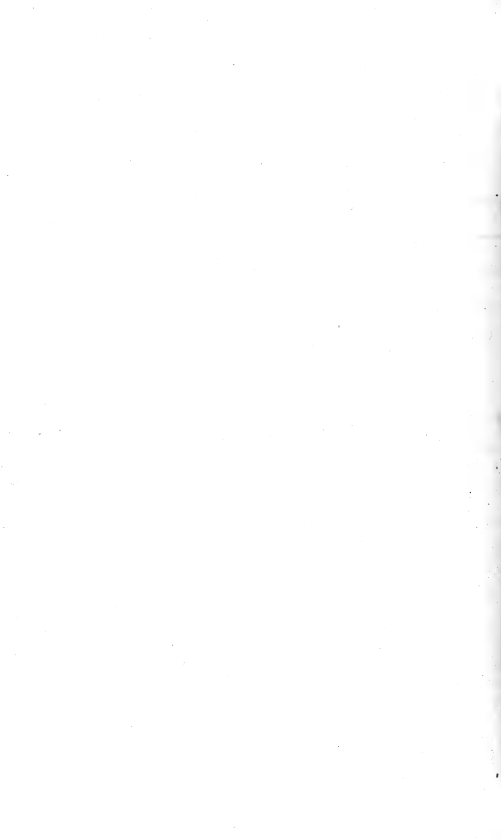
The first work to be commenced is the making of two new concrete ponds for the fry, parallel to those already





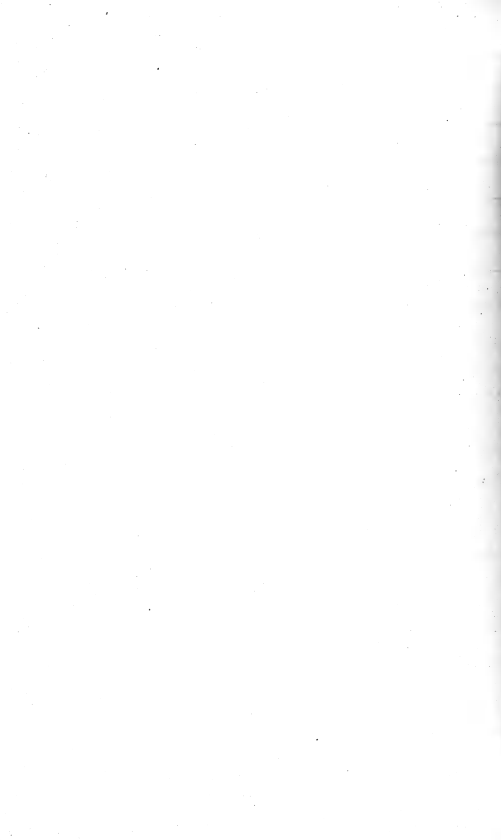


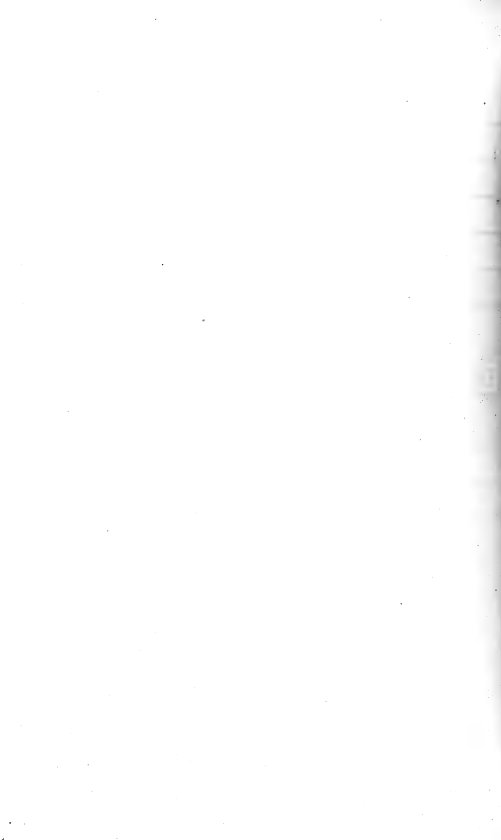














Mesembryanthemum *Clippis*
Suaeda
Suaeda *Plentiful by the edge*
Trifolium *Chief vegetation*
Eriogonum *Very plentiful*
Draba *white*
Sonchus
Rubus
Cerastium
Pennisetum
Gobelia
Poa
Trifolium
Trifolium
Hypochaeris
Polygonum
Carex
Asplenium
Asplenium
Asplenium
Solanum

Signet Bone

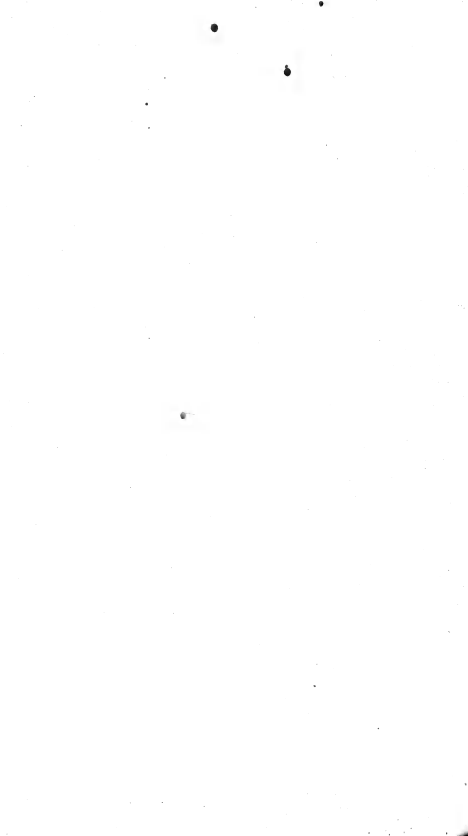
Myoporum laetum
Adiantum hypoleucum
Pteridium aquilinum
Oplismenus
Lonicera caerulea

Crater ~~of Gully~~
F. trees at head of gully
Lepidoptera

Habrobracon areolaris
Chalcid
Blacus fulvipes
Chalcid
Hemiteles
Chalcid
Chalcid















- Meliccytus ramiflorus*
Pittosporum crassifolium
Geranium molle
Oxalis corniculata
Enicocope ternata
Corynocarpus levigatus
 x *Coriaria ruscifolia*
Leguminosae ?
Galoragis alata
 10 *Calitriche verna*
 x *Melastomaceae polymorpha*
 x *Cycos angulatus*
Mesembryanthemum australe
Tetragonia expansa
 " *trigyna*
Hydrocotyle mesochata
Asperum australe
 x *Panax arborescens*
Coprosma Baueriana
 20 x " *petiolata*
 x " *acutifolia*
Lagenophora Forsteri

x *Gnaphalium lutescens* - album
" *insolucratum*
" *erubescens*

x *Bidens pilosa*
Lotula australis
Senecio
Sagesbeckia orientalis
Donchus sericeus

30 *Hypericum compositum*

x *Scavola gracilis*

x *Lobelia anceps*

Lamotus repens

Myrsine sp

Convolvulus soldanella

" sp

Solanum nigrum

Veronica salicifolia

x *Myoporum laetum*

40 *Rhagodia nutans*

Rumex flexuosus

x *Piper*

x *Peperomia brevifolia*

x *Peperomia cucida*

Urtica

Alewives

x Homalanthus nutans

Parietaria debilis

x Ananthus Sinclairii

Microtis

Lyphe angustifolia

Dracena

Areca

Cyperus setulatus

x Scirpus robustus

Carex

Paspalum scrobiculatum

Opismenus sp

Panicum sp

Gramina

x Cyathea milner

x Hymenophyllum Semisecum

Ischomanes venosum

Achras daphanum

"

affine

x

"

trispiderium

70

x *Hypolepis tenuifolia*x *Pellaea fulcata*x *Pteris tremula*x " *comans*x *Lomaria attenuata*" *lanceolata*x " *procera*x *Woodia comans*x *Asplenium setosatum*x " *caudatum*x " *flaccidum*" *sp*x *Aspidium aristatum**Neptrodium sp*x " *decompositum*x " *molle**Neptrodium*x *Polypodium serpens*x " *Bikardieri**Ophioglossum lusitanicum**Lycopodium comum**Psilotum triquetrum*

80

90 *Paeonia umbellifera*

Solanum aviculare

Gramma .. (Bum)

Gramma .. (Panicum)

Aster agerifolius

...

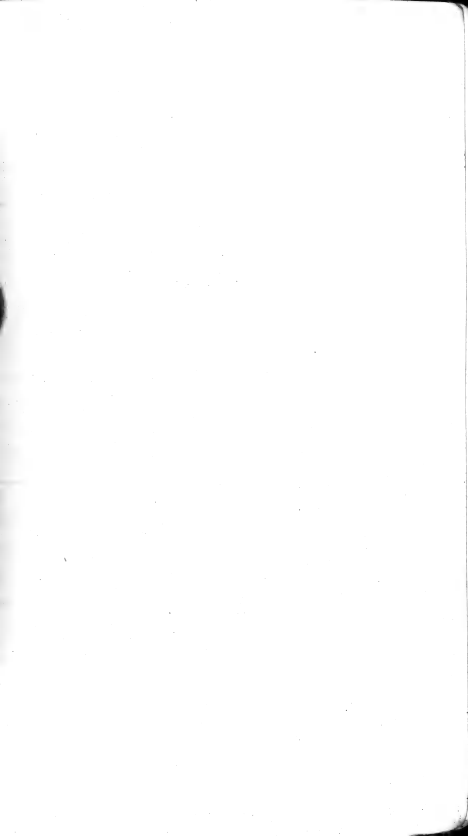
...

...

...

...

15



<i>Asplenium caudatum</i>	10.	6
Sp. —	8	
<i>Adiantum affine</i>	6.	
<i>Asplenium</i> sp.	17.	
<i>Neptrodium molle</i>	3	
<i>Lomaria lanceolata</i>	3	
<i>Adiantum Scapharum</i>	4	
<i>Aspl. striatum</i>	3	
<i>Panetaria Schultis</i>	7	
<i>Panicum</i>	12	
<i>Panicum</i>	12	
<i>Cyperus perfoliatus</i>	30	
<i>Polygonum crispum</i>		

Conium maculatum
Asclepias tuberosa
Lagerflora petiolata
Veronica longifolia
Pteris aquilina

Bananas - 14 varieties

Taro - 6 "

Kumara 2 "

Orange Shaddock

Lemon Lime

Citron Custard Apple

Calabash ground - Grape - Peaches - Apples Pears

Spined Chestnut - Pineapple - Maize -

Coral Tree - Pea Nuts

No bread used by the Belu

Manne Apple - Papaya

Rose Apple

Guava

Pomegranate -

Games - 3 varieties

Melons -

Kapi (or large Amazon) edible root

Upali -



Blown hairs - a tuft over 2000

1002 ~~2~~ koea

Kohapeva

